

DISK FORCE-EJECTION AND FORCE-LOADING DEVICE FOR AN OPTICAL DISK DRIVE

Abstract

A disk force-ejection and force-loading device for use in an optical disk drive. The optical disk drive includes an active gear of a drive motor for loading and ejecting an optical disk and a housing including a position hole nearby the active gear of the drive motor. The disk force-ejection and force-loading device includes a drive element installed on one end of the disk force-ejection and force-loading device for connecting and driving the active gear of the drive motor via the position hole, a motivity provider for rotating the drive element, and a power provider for providing electric power to the motivity provider.